"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTARIYA, Valerian Irakliyevich; RAMISHVILI, Maksim Afanas'yevich

[Viticulture] [Vinogradarstvo. Tbilisi, Ganatleba] 1965.
444 p. [In Georgian] (MIRA 18:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH, A.I., gorny tekhnik.

Crosscut mining at a production rate of 240.4 meters per month.
Gor.zhur. no.10:18-21 O '55. (MLRA 9:2)
(Krivoy Rog--Iron mines and mining)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

GERASIMENKO, M.M.; KANTAROVICH, B.G.

In the campaign for health consciousness. Zdrav. Bel. 6 no.11:46-47 N '60. (MIRA 13:12)

(UZDA DISTRICT—PUBLIC HEALTH)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH, L.I., dotsent; BRUK, V.M.

Hem...placental therapy of premature infants in the first weeks after birth. Zdrav.Belor. 3 no.10:38-40 O '57. (MIRA 13:6)

1. Iz akusherako-ginekologicheskoy kliniki (zav. - prof. L.S. Persianinov) Minskogo meditsinskogo in-tituta.
(INFANTS (PREMATURE)) (BLOOD AS FOOD OR MEDICINE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH, L.I., dotsent

Posttransfusion shock reaction from Rh-incompatible blood.
Zdrav.Belor. 4 no.3:23-25 Mr '58. (MIRA 13:7)

1. Iz akushersko-ginekologicheskoy kliniki (zaveduyushchiy - prof. L.S. Persianinov) Minskogo meditsinskogo instituta.
(RH FACTOR) (SHOCK)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH, L.L.

Clinical aspects, prevention and treatment of mercury intoxication. Zdrav. bel. 8 no.1:48-52 Ja '62. (MIRA 15:3)

1. Iz kabineta profpatologii (zaveduyushchiy kabinetom L.L. Kantarovich 1 klinicheskoy bol'nitsy (glavnyy vrach A.I. Shuba) g. Minska.

(MERCURY—TOXICOLOGY)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH,V.S., kandidat meditsinskikh nauk; VINOGRADOV,M., redaktor; UVAROVA,Ye., tekhnicheskiy redaktor

[Voice hygiene] Gigiena golosa. Moskva, Gos. muzykal'noe izd-vo, 1955. 154 p. (MLRA 9:1)

(Voice--Care and hygiene)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAROVICH, Ye.I.

Biochemical indexes of the condition of liver function in dysentery and some other diseases in children. Pediatriia no.6:73-78 N-D '54. (MLRA 8:4)

1. Is instituta pediatrii AMN SSSR (dir.-prof.M.N.Kazantseva)
(DYSENTERY, in infant and child
liver function biochem. manifest.)
(PEDIATRIC DISEASES, physiology
liver funct., biochem. manifest.)
(LIVER, physiology
funct. in dysentery & other. dis. in child., biochem. manifest.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTARZHI, M.

Transferring the Mari Wood-Paper Combine to a new work schedule. Miul.mashh.inform.: trud i zar.plata 3 no.3: 27-30 '60. (MIRA 13:8)
(Mari A.S.S.R.—Woodpulp industry)
(Mari A.S.S.R.—Paper industry)
(Hours of labor)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

FAYNBURG, Z.I., kand.ekonom.nauk, prepodavatel' politekonomii; KOZLOVA, G.P., inzh., prepodavatel' politekonomii; KANTARZHI, R.R.:

Analyzing the conditions of mechanization in the woodpulp and paper industry. Bum. prom. 36 no.7:22-24 Jl '61. (MIRA 14:9)

1. Permskiy politekhnicheskiy institut (for Faynburg, Kozlova).
2. Nachal'nik planovo-ekonomicheskogo otdela Mariyskogo kombinata (for Kantarzhi).
(Paper industry--Equipment and supplies)
(Woodpulp industry--Equipment and supplies)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAS, K.

Results and prospects of Hungarian tellurium research. p. 643. (Banszati Lapok, Budapest, Vol. 9, no. 12, Dec 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Uncl

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAS, K.

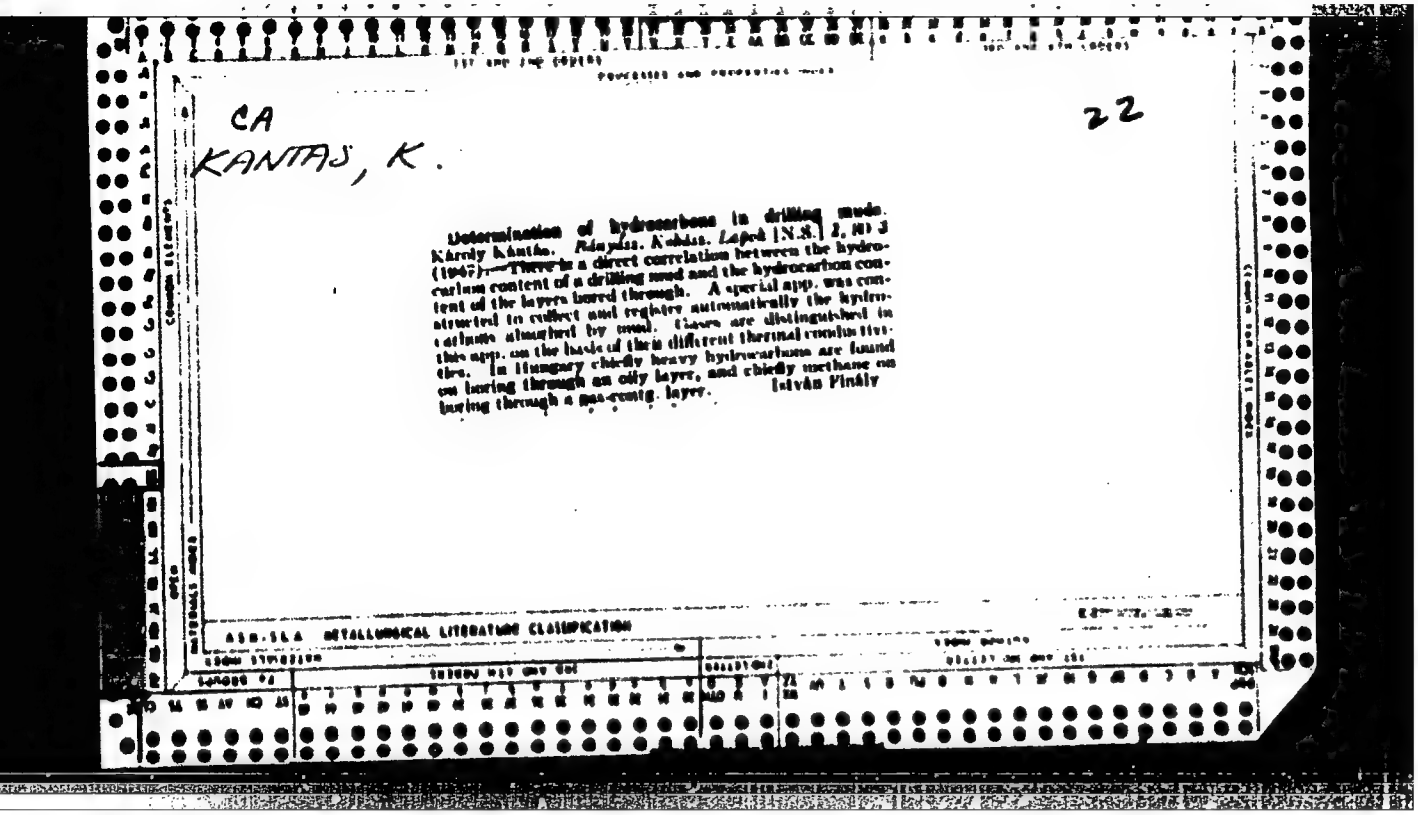
Significance of telluric methods in the research on geological raw materials; also, remarks by E. Vadasz.

p. 295 (Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osztalya. Kozlemenyei. Vol. 20, no. 3/4, 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



CA
KANTAS, K.

22

Determination of hydrocarbons in drilling muds. Károly Kántás. *Bányász. Kohász. Lapok* [N.S.] 2, 80–3 (1967).—There is a direct correlation between the hydrocarbon content of a drilling mud and the hydrocarbon content of the layers bored through. A special app. was constructed to collect and register automatically the hydrocarbons slaughed by mud. Layers are distinguished in certain slaughed by mud. Layers are distinguished in this app. on the basis of their different thermal conductivities. In Hungary chiefly heavy hydrocarbons are found on boring through an oily layer, and chiefly methane on boring through a gas-contg. layer. István Pinály

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

GIRDZIJAUSKAS, V., doktor med. nauk; VIKONYTE-VASILJEVIENE, D., kand. med. nauk; BORISEVICIENE, H.; KAMTAUSKAS, V.; RIMKUNAS, A., red.; ANAITIS, J., tekhn. red.

[Practical handbook of medical microbiology] Medicininės mikrobiologijos praktinis vadovas. Vilnius, Valstybinė politinės ir mokslinės literatūros leidykla, 1961. 431 p. (MIRA 15:3)

1. Akademiya nauk Litovskoy SSR (for Girdzijauskas).
(MICROBIOLOGY)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

RED'KIN, N.P. (Chernovtsy); GRISHANOVA, A.A.; vrach-stomatolog (Moskva); KANTAUSKAS, V.A. vrach (Kaunas); PERGAMIN, A.P. (Odessa); KRASNOV, L.M., inzh. (Dnepropetrovsk).

Editor's mail. Zdorov'e 9 no.10:26-27 O'63 (MIRA 16:12)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTUASKAS, Viktor

Enterprise of Communist Labor. Stroitel' no.8:29 Ag '61.
(MIRA 14:8)

1. Predsedatel' zavkoma profsoyuza Akmyanskogo tsementnogo zavoda.
(Lithuania--Cement plants)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAV,

RUMANIA/General Section - Metrology. Laboratory Technique. A-6

Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8368

Author : Kantav

Inst

Title : Czechoslovak Exhibition of Electrical, Electronic and Electro-Accoustic Instruments.

Orig Pub : Elektrotechnika, 1956, 4, No 8, 385-386.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAYEV, G. G.

KANTAYEV, G. G. "A dual-acting mechanical press for gluing 'torfoleum'", Mekhanizatsiya stroit-va, 1949, No. 5, p. 19.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAYEV, G.

Skill and circumspection. Grazhd.av. 19 no.9:20 S '62.
(MIRA 16:1)
(Aeronautics, Commercial—Safety measures)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAYEV, Grigoriy Grigor'yevich; YEVNEVICH, A.V., kand.tekhn.nauk, nauchnyy red.; SEREBRENNIKOVA, L.A., red.; PERSON, M.N., tekhn.red.

[Working principle and operation of truck-mounted cranes] Ustroistvo i ekspluatatsiia avtomobil'nykh kranov. Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1959. 157 p. (MIRA 13:1)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTAYEV, Grigoriy Grigor'yevich; OTDEL'NOV, P.V., nauchn. red.; MIKHAL'CHUK, Z.V., red.; TOKER, A.M., tekhn. red.

[Operator of motor cranes] Mashinist avtomobil'nykh kranov. Moskva, Proftekhizdat, 1963. 350 p. (MIRA 16:12)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Physiology

BULGARIA

VARBANOVA, A., DONESHKA, P., KANTCHEV, D., Institute of Physiology, Bulgarian Academy of Sciences

"Characteristics of the Bioelectrical Activity of the Cervical Vagus in Chronic Experiments

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 20, No 1, 1967, pp 69-72

Abstract: [English article] Earlier the authors carried out (A. Varbanova, V. Sokolov, Compt. rend. Acad. bulg. Sci., 19, 1966, 73) acute experiments with cats leading off continuous rhythmic background afferent impulses from the cervical vagus. To obtain more information about the character of this type of impulse and eliminate the side effect of narcotics and of agents immobilizing the animals, they prepared three cats with permanently implanted electrodes on n. vagus. Under conditions of no external perturbation and of a quiet animal in isolated chambers, there appear continuous rhythmic impulses being led off from the vagus of not very high amplitude (under 50 μV, usually 10 to 20 μV) which have a relatively stable frequency comprising two frequency groups (one of 26-33 cycles/sec and another of 56-66 cycles/sec). Parallel with the monotonous rhythmic impulses of not too high an amplitude and rather stable frequency, there is another set of

1/2

2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

DUNAYEV, N.I., insh.; KANTEMIROV, D.D., insh.; KOCHERGIN, V.N., insh.; CHEKHOV, V.K., insh.; GRISHKL', Ye.P., insh.(Belogorsk)

"Traffic organization in railroad transportation" by F.P. Kochnev. Reviewed by N.I.Dunaev and others. Zhel.dor.transp. 41 no.12:91 D '59. (MIRA 13:4)
(Railroads--Traffic) (Kochnev, F.P.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

POLUKHIN, P.I., prof., doktor tekhn.nauk, red.; GRINBERG, B.G., dotsent, kand.tekhn.nauk; KANTENIK, S.K., dotsent, kand.tekhn.nauk; ZHADAN, V.T., dotsent, kand.tekhn.nauk; VASIL'YEV, D.I., dotsent, kand.tekhn.nauk; LEBEDEV, B.G., dotsent, kand.tekhn.nauk, nauchnyy red.; LAKHTIN, Yu.M., prof., doktor tekhn.nauk, retsenzent; KITAYTSEV, V.A., dotsent, kand.tekhn.nauk, retsenzent; RAZYGRAYEV, A.M., insh., retsenzent; YUDINA, L.A., red.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Technology of metals] Tekhnologiia metallov. Pod obshchei red. P.I.Polukhina. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 460 p. (MIRA 14:3)

1. Kafedra metallovedeniya Moskovskogo avtomobil'no-dorozhnogo instituta (for Lakhtin, Kitaytsev, Razygrayev).
(Metals) (Metalwork)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTSHIK, S.K.; SVYATKIN, B.K.

Vibration packing of foundry molds under high pressure. Lit. proizv. no.3:31-34 Mr '64. (MIRA 18:9)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTENIK, S., dotsent, kand.tekhn.nauk

Life requires it. NTO 3 no.9:11-14 S '61. (MIRA 14:8)

1. Rektor Vsesoyuznogo zaochnogo politekhnicheskogo instituta.
(Technical education) (Research)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTNER, Adalbert, dr.; HABAN, Jan, dr.

Rare primary scleroma in the palatine tonsil. Orv. Hetil. 105 no.22:1035-1035 My 31 '64.

1. Allami Korhaz, Piestany (CSSR), Dermatologiai Osztaly es Orvosi Tovabbkepzo Intezet, Trencin (CSSR), Dermatologiai Osztaly.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

SOLODKOV, Mikhail Vasil'yevich, kand. ekonom. nauk; KANTER, A.I., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Socialist capital reproduction under the conditions of the building of communism] Sotsialisticheskoe rasshirennoe vosproizvodstvo v usloviiakh stroitel'stva kommunizma. Moskva, 1961. 28 p. (Narodnyi universitet kul'tury. Obshchestvenno-politicheskii fakul'tet, no.18) (MIRA 15:3)
(Economics)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

CHISTOV, A.A.; KANTER, A.I., red.; SAVCHENKO, Ye.V., tekhn. red.

["The relay race" of communism] Estafeta kommunizma. Moskva, Izd-vo "Znanie," 1961. 38 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.1) (MIRA 14:9)
(Efficiency, Industrial)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

TATUR, Sergey Kuz'mich, doktor ekonom. nauk; KANTER, A.I., red.; NAZAROVA, A.S., tekhn.red.

[How wages are paid to the workers of industrial enterprises] Kak oplachivaetsia trud rabotnikov na promyshlennykh predpriiatiiakh. Moskva, Izd-vo "Znanie," 1961. 38 p. (Narodnyi universitet kul'tury: Fakutl'tet tekhniko-ekonomicheskii, no.6) (MIRA 14:11)
(Wage payment systems)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KONFEDERATOV, Ivan Yakovlevich, prof.; KANTER, A.I., red.; NAZAROVA, A.S., tekhn. red.

[Present-day power engineering] Sovremennaia energetika. Moskva, Izd-vo "Znanie," 1961. 39 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no.19) (MIRA 15:3)
(Power engineering)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

RAKOVSKIY, Mikhail Yevgen'yevich; RODOV, A.B., red.; KANTER, A.I., red.; NAZAROVA, A.S., tekhn. red.

[Top priority]Napravlenie nomer odin. Pod obshchei red. A.B. Rodova. Moskva, Izd-vo "Znanie," 1962. 47 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.7) (MIRA 15:9)

(Automation)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KASITSKIY, Il'ya Yakovlevich; KANTER, A.I., red.; RAKITIN, I.T., tekhn. red.

[On the "industrial virgin land!"]O "promyshlennoi tseline." Moskva, Izd-vo "Znanie," 1962. 45 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.9)
(MIRA 15:9)
(Industrial management) (Technological innovations)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

VIKENT'YEV, Aleksandr Isayevich; KANTER, A.I., red.; NAZAROVA, A.S., tekhn. red.

[In full bloom; informal discussions on modern Soviet economy] V rastsvete sil; besedy o sovremennoi sovetskoi ekonomike. Moskva, Izd-vo "Znanie," 1962. 54 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.11) (MIRA 15:12)
(Russia—Economic conditions)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

LYUBASHCHENKO, Ivan Grigor'yevich; KANTER, A.I., red.; RAKITIN, I.T., tekhn. red.

[Solid, safe, lasting] Prochno, nadezhno, dolgovechno. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.7)
(MIRA 16:9)

(Industrial organization)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

MEZENTSEV, Vladimir Andreyevich; KANTER, A.I., red.; RAKITIN, I.T., tekhn. red.

[Our friend, chemistry] Nash drug - khimiia. Moskva, Izd-vo "Znanie," 1963. 70 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no.12) (MIRA 17:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

MOROZOV, Pavel Aleksandrovich; KANTER, A.I., red.; NAZAROVA, A.S., tekhn. red.

[Economics is everybody's business] Ekonomika - delo kazhdogo. Moskva, Izd-vo "Znanie," 1964. 78 p. (Narodnyi universitet: Tekhniko-ekonomicheskii fakul'tet, no.1) (MIRA 17:2)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

LOPATNIKOV, Leonid Isidorovich; KANTER, A.I., red.; RAKITIN, I.T., tekhn. red.

[Technology and economics] Tekhnika i ekonomika. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.2)
(MIRA 17:3)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

BUGROV, Aleksandr Porfir'yevich; K[illegible], Igor' Aleksandrovich; MUKHOVICH, Boris Yefimovich; K[illegible], A.I., red.

[For progressive work norms] Za normy truda, zovushchie vpered. Moskva, Izd-vo "Znanie," 1964. 76 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no.7) (MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KUDRYAVTSEV, Edgar Aleksandrovich; KANTER, A.I., red.

[Awakened giants; how to search for and find production potentials] Razbuzhennye bogatyri; o tom, kak iskat' i nakhodit' rezervy proizvodstva. Moskva, Izd-vo "Znanie," 1964. 77 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.8) (MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

GOLUB', Andrey Matveyevich; KANTER, A.I., red.

[Metals for the atomic age] Metally atomnogo veka. Moskva, Izd-vo "Znanie," 1964. 76 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no.11)
(MIRA 17:12)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

NEMCHINOV, Vasiliy Sergeyevich, akademik [deceased]; KANTER, A.I., red.; DADAYAN, V.S., kand. ekon. nauk, red.

[Economics and mathematics] Ekonomika i matematika. Moskva, Izd-vo "Znanie," 1965. 67 p. (Narodnyi universitet: Tekhniko-ekonomicheskii fakul'tet, no.6) (MIRA 18:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

POLUYANOV, Viktor Trofimovich; D'YAKOV, Anatoliy Yakovlevich; KANTER, A.I., red.

[Everybody likes the beautiful, the useful, the durable, the cheap ("Motto - perfect quality")] Vsem priiatno krasivoe, poleznoe, prochnoe, dashevoe ("Deviz - otlichnoe kachestvo"). Moskva, Izd-vo "Znanie," 1965. 79 p. (Narodnyi universitet: Tekhniko-ekonomicheskii fakul'tet, no.5) (MIRA 18:8)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

REYNBERG, Mikhail Germanovich, kand. tekhn. nauk; KANTER, A.I., red.

[Horizons of computer technology] Gorizonty vychislitel'noi tekhniki. 2. dop. izd. Moskva, Znanie, 1965. 93 p. (Narodnyi universitet: Tekhniko-ekonomicheskii fakul'tet, no.9) (MIRA 18:10)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

S/139/60/000/03/025/045
E032/E314

AUTHOR: Kanter, B.Z.

TITLE: On the Injection in the Microtron

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960, Nr 3, pp 138 - 141 (USSR)

ABSTRACT: An analysis is given of the phase stability region of a microtron and it is shown that the injection system should ensure a short (less than 30°) electron bunch on the first orbit with a narrow (about 8%) energy spectrum. This requirement is not satisfied by the injection system in existing microtrons owing to electrostatic emission from one of the electrodes of the resonator. A rough estimate shows that electron losses on the first orbit can be reduced by several times if the electrons are suitably bunched before injection into the accelerating resonator. Figure 4 shows the suggested scheme for an injector with preliminary bunching of the electrons. In Figure 1, 1 is the accelerating resonator, 2 is the waveguide, 3 is a coaxial lead, 4 is a phase-shifter, 5 is an attenuator, 6 is a modulating resonator, 7 is the electron gun and 8 is a deflecting capacitor. The

Card1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

On the Injection in the Microtron

beam is thus modulated in velocity on passing through the gap of the auxiliary resonator, whose phase can be regulated and is rigidly related to the phase of the accelerating resonator. There are 4 figures and 4 references, 1 of which is German, 1 English and 2 are Soviet.

ASSOCIATION: Tomskiy politekhnicheskiy institut imeni S.M. Kirova (Tomsk Polytechnical Institute imeni S.M. Kirov)

SUBMITTED: May 6, 1959

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, B.Z.

Electron-ray function converter. Izv. TPI 105:210-211 '60.
(MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo instituta imeni S.M. Kirova.
(Electronic instruments)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

S/275/63/000/002/008/032
D405/D301

AUTHOR: Kanter, B.Z.

TITLE: Injection system of microtron

PERIODICAL: Referativnyy zhurnal, Elektronika i eye primeneniye, no. 2, 1963, 59, abstract 2A350 P (Elektron. uskoriteli, Tomsk, Tomskiy un-t, 1961, 157-160 (Collection))

TEXT: The injection system of the microtron determines the energy-, phase and space distribution characteristics of the electrons to be accelerated. It was earlier established that stable electron acceleration will take place in those cases in which the phase of electron passage through the resonator gap will lie in a region of maximum width of about 30°, and the energy will not differ from its resonance value by more than ± 4%. These results were obtained for most favorable operating conditions, when the increment in reversal time of electrons in the magnetic field after one passage of the resonator gap is equal to one microwave voltage period. Yet it is simplest to inject low-energy electrons for acceleration. The necessary values of the electron injection-phase into the resonator

Card 1/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Injection system of microtron

S/275/63/000/002/008/032
D405/D301

can be obtained by determining the transit angle of the electrons through the gap, the acquired energy and the first-orbit transit angle of electrons in the magnetic field, by integrating the equations of motion of electrons in the microwave field of the resonator. The results are given of calculating the injection phase of electrons for a 10 cm wavelength, a resonator gap-width of 1 cm, a resonator voltage amplitude of 530 kV and a magnetic field strength of 1070 oersted. From the graph for the voltage-phase in the resonator at the moment of the second electron passage through the middle of the accelerating gap versus electron energy deviations from the resonance value, expressed in percent, one determines the region of phase- and energy characteristics which correspond to stable acceleration. Electrons which start their motion in the resonator gap in a phase interval of approximately 55 to 75° can be accelerated stably. In microtron injection due to field emission from one of the resonator electrodes, the maximum field emission current occurs at a phase of 90° of the sinusoidal resonator voltage, whereas the width of the current pulse from the cold cathode is 40-50°. Therefore only the forward, very small fraction of the pulse (5-10%) is

Card 2/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Injection system of microtron

accelerated, whereas the major part of the electrons is wasted. Several ways are indicated for increasing the efficiency of the electron acceleration process: 1) increasing the range of stable input phases; 2) broadening the current pulse of the injected electrons; 3) shifting the current pulse of the injected electrons towards the region of stable input phases. The range of stable input phases can be widened by reducing the magnetic field strength in the region of the first orbit. Thereby a stable electron acceleration with input phases from approximately 45 to 75° becomes permissible. A V-shaped tungsten cathode with a filament 0.1 mm in diameter and 4 mm in length, and an anode-cathode distance of about 1 mm, gave a current of up to 400 mA at 18 kV. 4 references.
[Abstracter's note: Complete translation]

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, B.Z.; LERMONTOV, V.V.; NOSKOV, D.A.; YUSHKOV, Yu.G.

A 5 Mev. microtron. Izv. TPI 122:45-49 '62.

(MIRA 17:9)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

36387
S/139/62/000/001/013/032
E032/E114

9,3120

AUTHOR: Kanter, B.Z.

TITLE: A study of the energy spectra of electrons accelerated by the electric field of a microtron resonator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no.1, 1962, 84-87

TEXT: It is pointed out that the injection of electrons in existing microtrons is achieved by field emission from the surface of the electrodes in the accelerating resonator. In a previous paper the author showed that the length of the injected current pulses is about 1/10 of the period of the high-frequency field and that these pulses are in phase with the latter. This method of injection suffers from certain disadvantages, namely; the field emission from the cold surface of the electrodes cannot be controlled and varies with time, and, secondly, owing to the large width of the energy spectrum, only a small fraction of the total number of electrons enter the second and subsequent

Card 1/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

orbits. It was shown that the situation can be improved by the use of field emission from a hot cathode. The present work was carried out in order to determine the form of the electron energy spectra obtained with field emission from hot and cold cathodes. The energy spectra were measured in the microtron of the Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute), using the method illustrated in Fig.3. The resonator 2 was located within the uniform magnetic field, whose magnitude was chosen so that circular electron orbits corresponding to maximum energy lay inside the vacuum chamber 4 of the microtron. The hf power was fed into the resonator from a magnetron oscillator through the waveguide 1. The electron current was measured by the tantalum collector 5 fixed to the end of the movable cylindrical rod 6, which in turn was connected to the electrometer 7. The magnetic field was about 150 oe. The cathode 3 was in the form of a tantalum ribbon. The results obtained are illustrated in Figs. 4 and 5. Fig.4 shows the energy spectra (collector current versus orbit diameter in cm) for a tantalum cathode at room temperature

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Fig.3

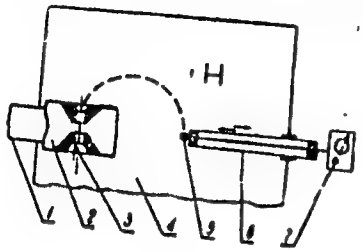


Fig.4

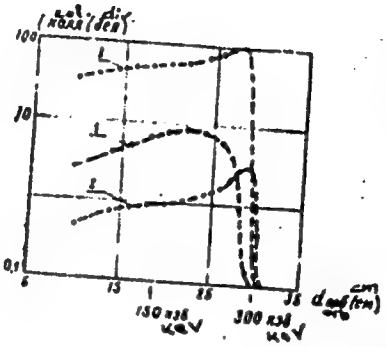


Fig.5

Card 4/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTE[illegible] B.Z.

Use of a thermionic cathode in a microtron. Izv. AN SSSR. Ser. fiz. 26 no.11:1353-1356 N '62. (MIRA 15:12)
(Particle accelerators) (Thermionic emission) (Cathodes)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ACCESSION NR: AR4022439 S/0058/64/000/001/A037/A037

SOURCE: RZh. Fizika, Abs. 1A339

AUTHOR: Kanter, B. Z.; Lermontov, V. V.; Noskov, D. A.; Yushkov, Yu. G.

TITLE: 5-MeV microtron

CITED SOURCE: Izv. Tomskogo politekhn. in-ta, v. 122, 1962, 45-49

TOPIC TAGS: microtron, microtron characteristics, microtron electromagnet, particle accelerator, accelerator, electron injection

TRANSLATION: The 5-MeV microtron of the Tomsk Polytechnic Institute is described (RZhFiz, 1963, 1A401--403). The high frequency section of the amplifier includes a magnetron oscillator, two phase shifters, an absorbing load, and a toroidal cavity with Q of approximately 2000. The electromagnet poles had a diameter of 55 cm and the mag-

Card 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ACCESSION NR: AR4022439

netic core had a cross section 30 x 12 cm. All the main units of the accelerator were constructed in 1959. During the starting, problems involved in the optimal coupling between the resonator and the waveguide were investigated, along with the possibility of using an incandescent cathode for electron injection. The current attained to date on the ninth orbit (5 MeV energy) is several microamperes per pulse. K. Belovintsev.

DATE ACQ: 03Mar64 SUB CODE: PH, SD ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

S/0120,64/000/004/0028/0031

The results of remodeling a Tomsk P[illegible]

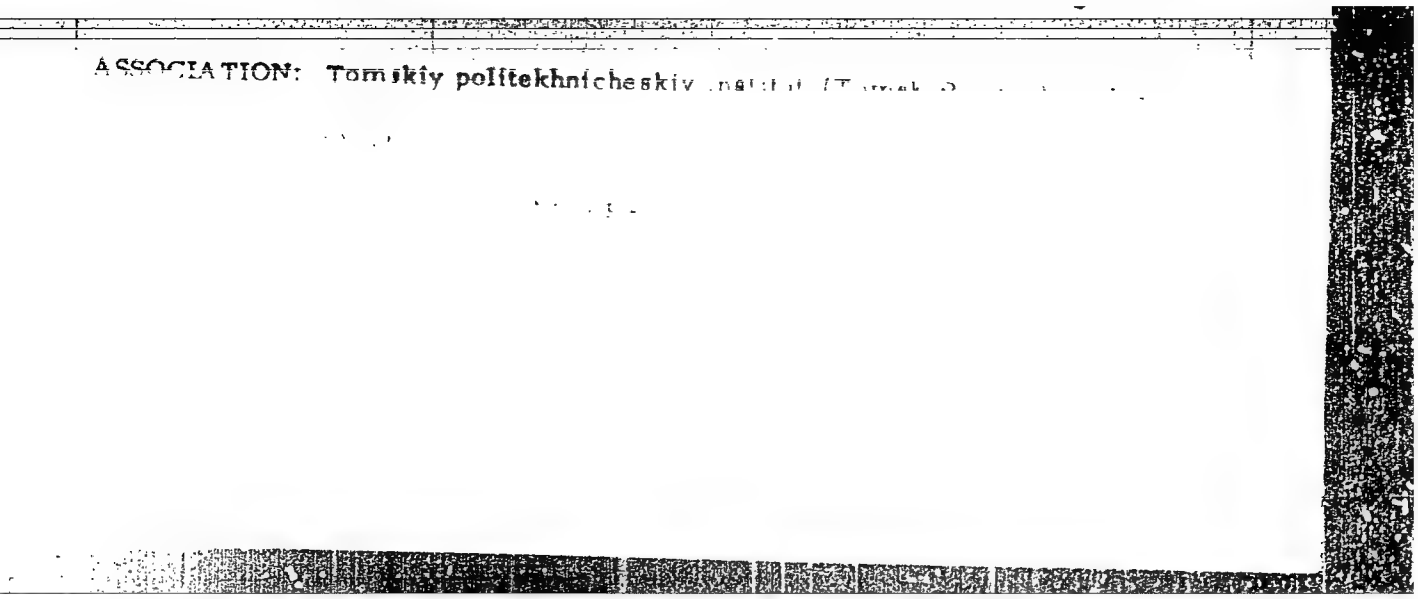
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Melekhin, for which the authors are grateful." Orig. art. has: 5 figures

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ACCESSION NR: AP4024493 S/0142/64/007/001/0098/0099

AUTHOR: Kanter, B. Z.

TITLE: Adjustable waveguide attenuator for high power level

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 1, 1964, 98-99

TOPIC TAGS: microwave attenuator, waveguide attenuator, high power attenuator, water cooled microwave attenuator, high power microwave attenuator

ABSTRACT: The attenuators tested were glass cylinders 380 mm long, with conical ends; inner diameters of the center section ranged from 8.3 to 9.7mm. Power losses in the waveguide were absorbed as heat by water circulating through an inner glass tube in the cylinder. The attenuation produced in a 44 x 72 mm rectangular waveguide could be smoothly varied by moving the cylinder from the waveguide wall toward its center. The SWR did not exceed 1.08. The attenuator was tested with pulsed power up to several megawatts. The power absorbed could be measured with a differential thermocouple registering the difference in the inlet and outlet water temperature. Orig. art. has: 2 figures and 1 formula.

Card 1/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ACCESSION NR: AP4024493

ASSOCIATION: None

SUBMITTED: 25Mar63 DATE ACQ: 15Apr64 ENCL: 01

SUB CODE: SD NO REF SOV: 000 OTHER: 000

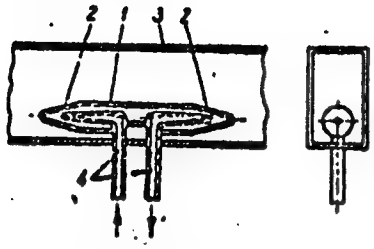
Card 2/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

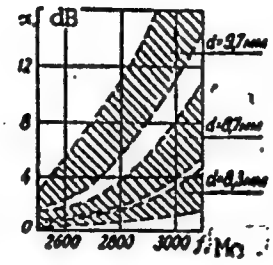
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ACCESSION NR: AP4024493

ENCLOSURE: 01



Construction of variable waveguide attenuator
1-glass cylinder, 2 - conical cylinder ends, 3 - waveguide 4 - tube with cooling water

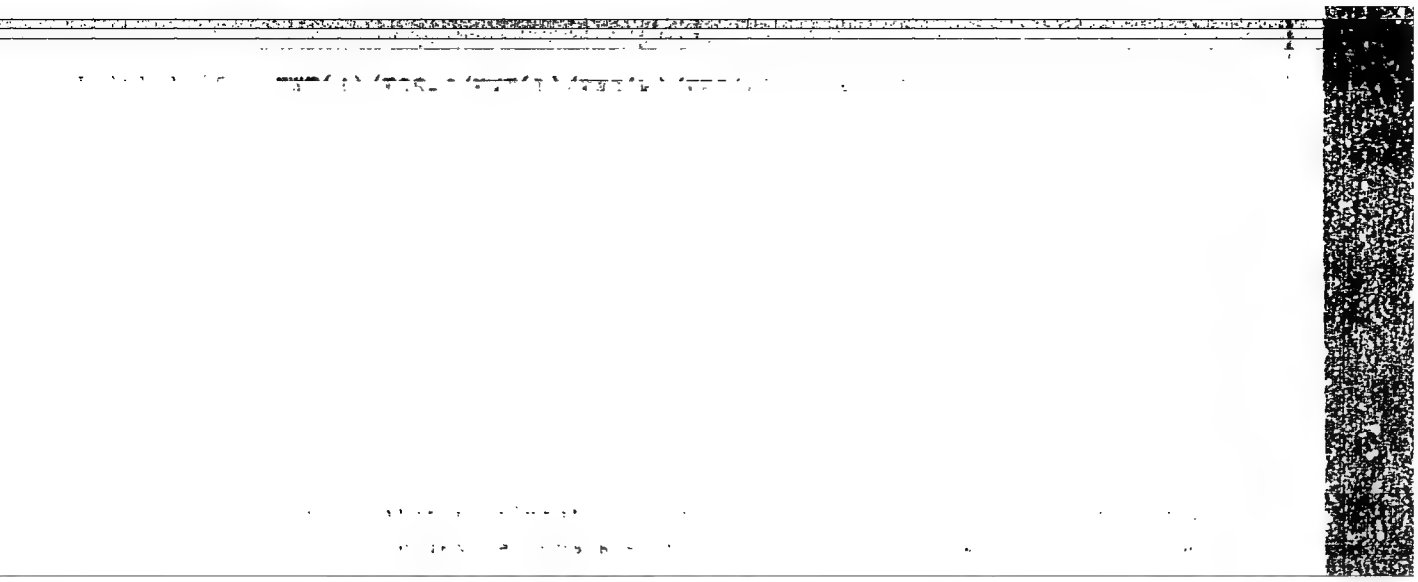


Frequency characteristics of attenuators with different diameters

Card 3/3

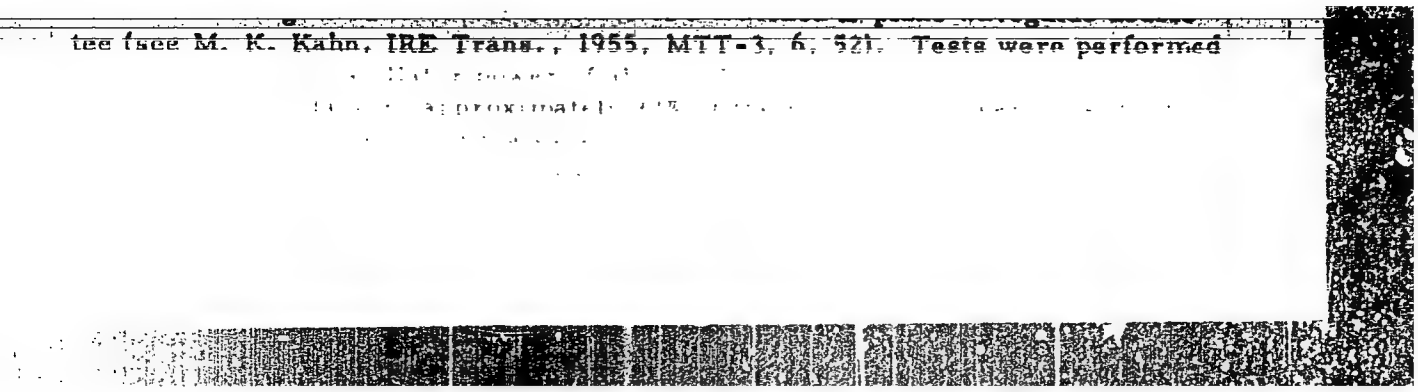
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



tee [see M. K. Kahn, IRE Trans., 1955, MTT-3, 6, 52]. Tests were performed

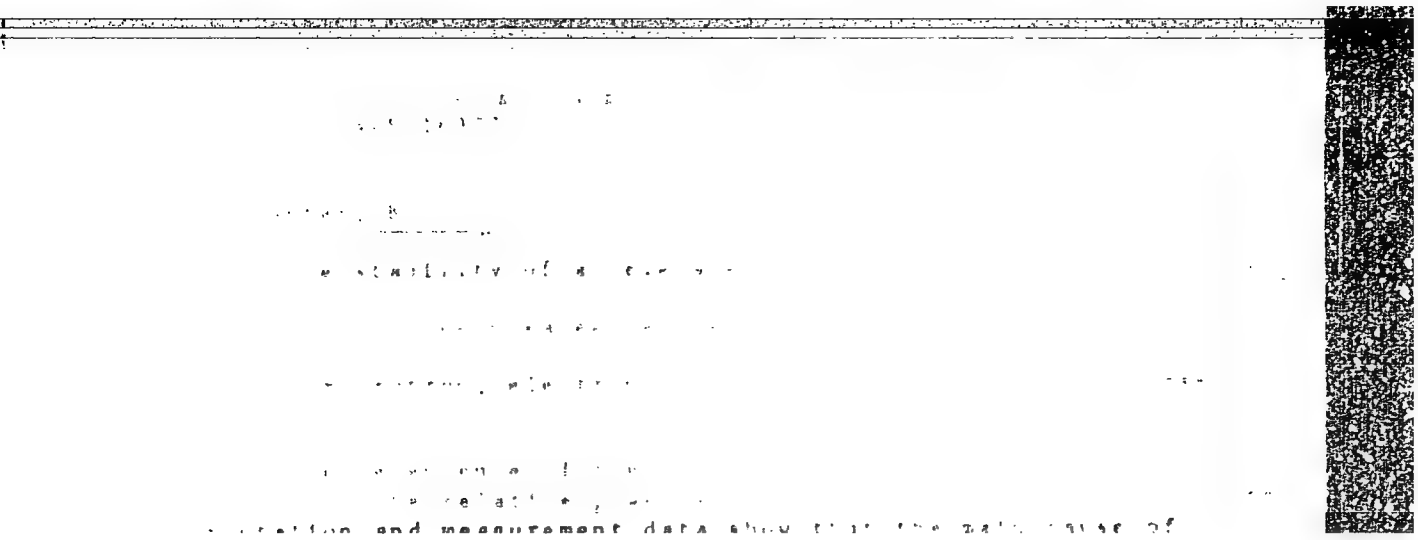
approximately

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

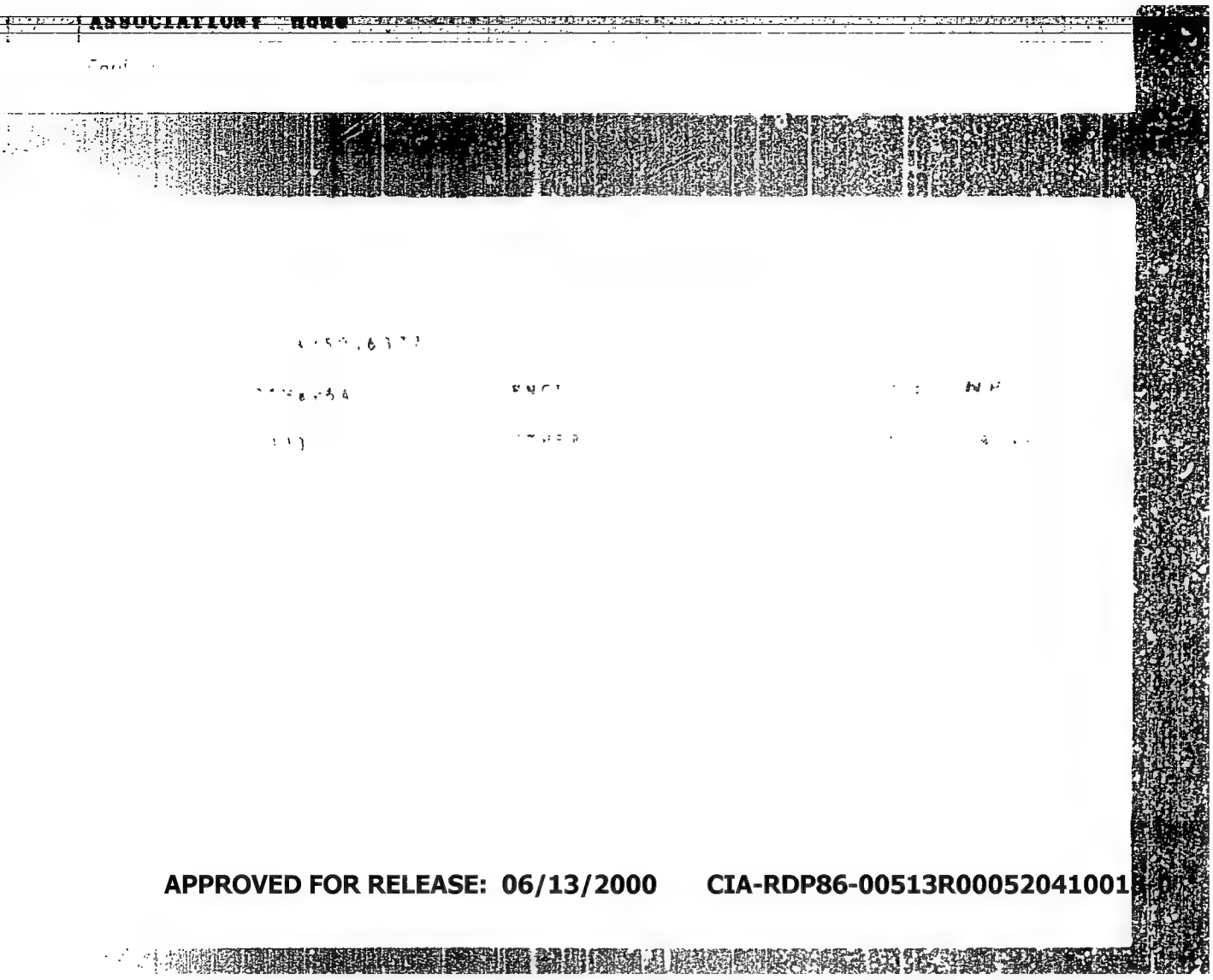
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

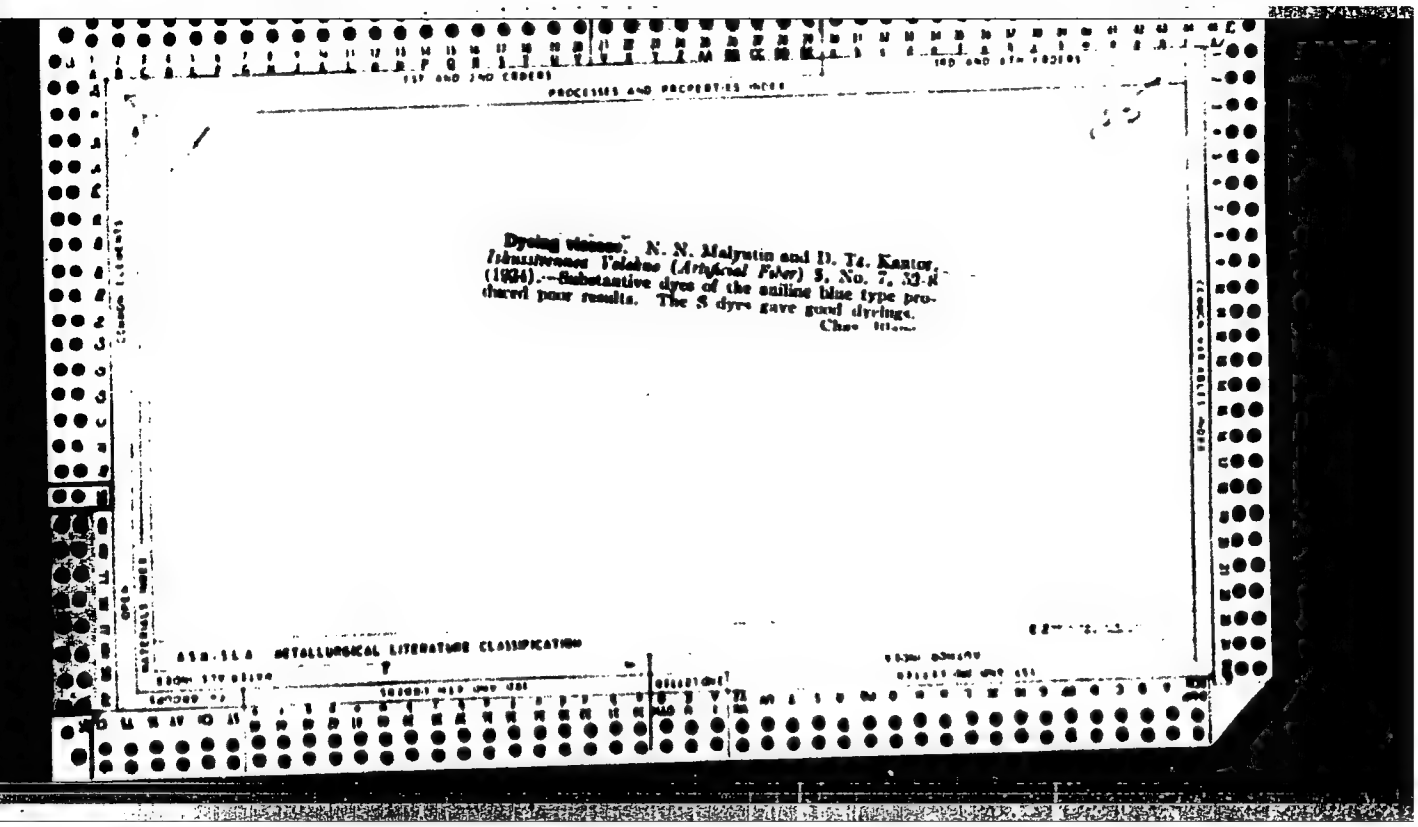
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, B.Z.; YUSHKOV, Yu.G.

Design and characteristics of a 5 Mev. microtron. Prib. i tekh. eksp. 9 no.4:28-31 Jl-Ag '64. (MIRA 17:12)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

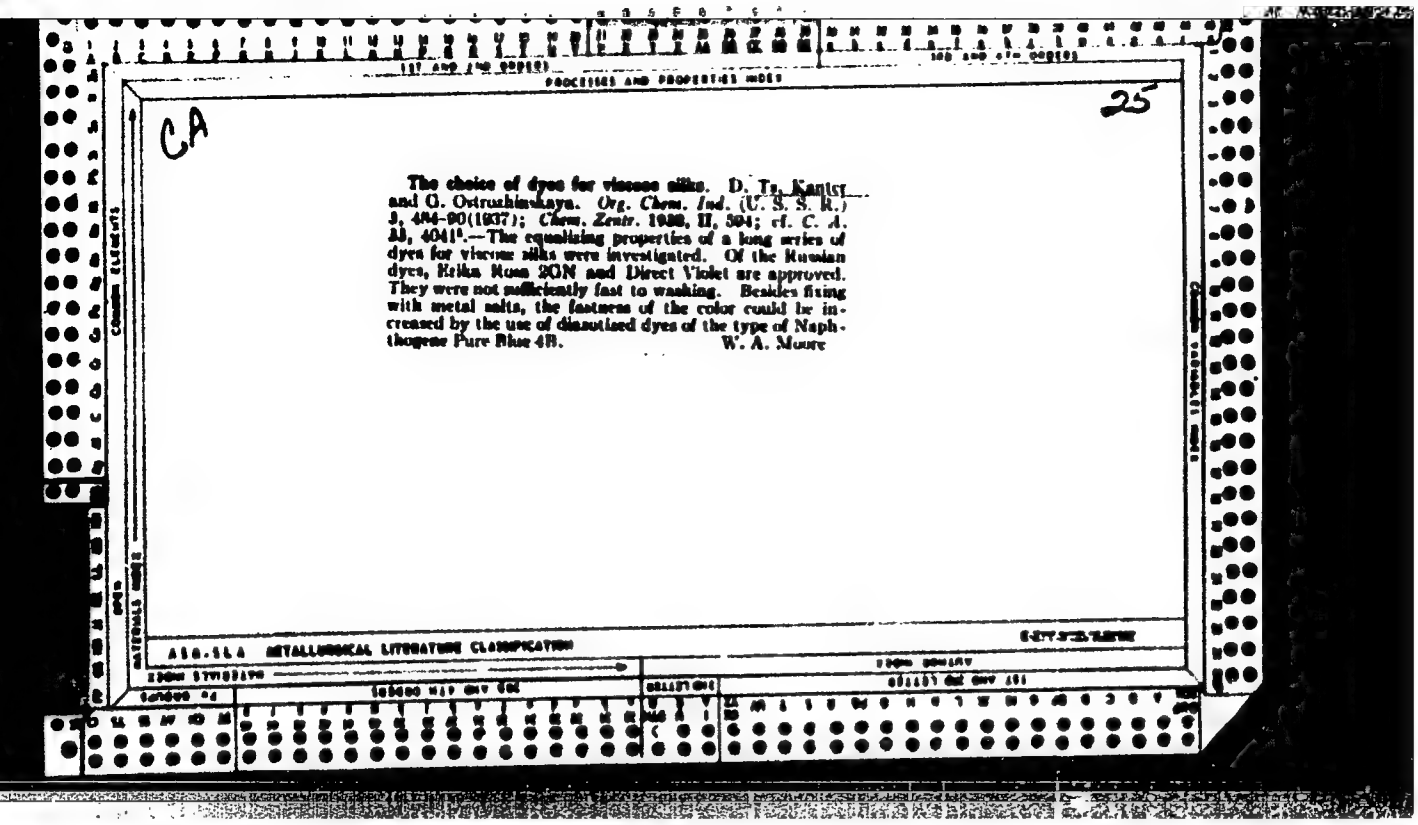


Dyeing viscose. N. N. Malyutin and D. Ts. Kantor, *Iskusstvennoe Volokno (Artificial Fiber)* 5, No. 7, 32-8 (1934).—Substantive dyes of the aniline blue type produced poor results. The S dyes gave good dyeings.
Chas. Blanc

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



CA

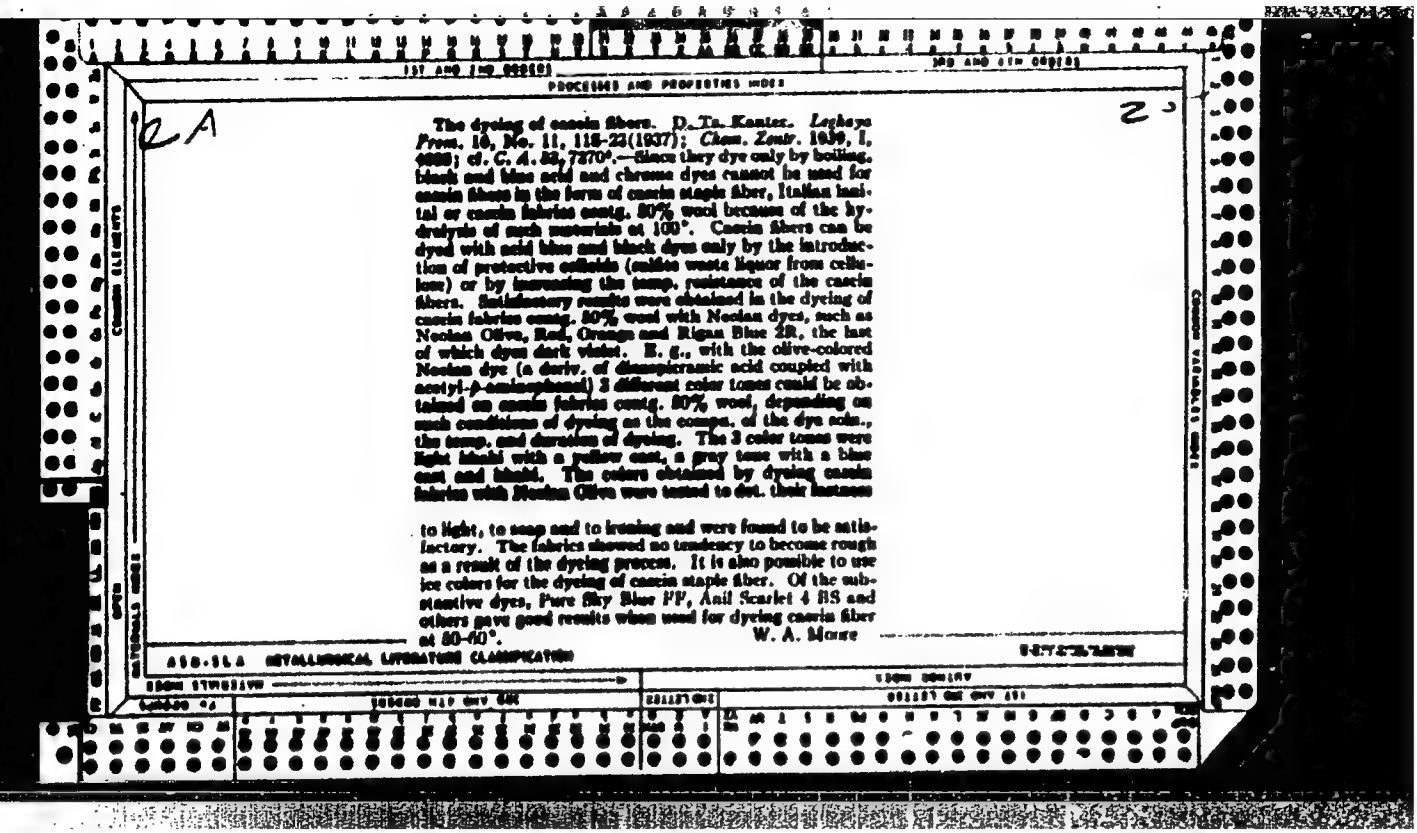
25

The choice of dyes for viscose silks. D. Ts. Kantsyr and O. Ostrukhinskaya. *Org. Chem. Ind.* (U. S. S. R.) 3, 484–90(1937); *Chem. Zentr.* 1938, II, 504; cf. C. A. 33, 4041⁸.—The combining properties of a long series of dyes for viscose silks were investigated. Of the Russian dyes, Erika Rosa 2ON and Direct Violet are approved. They were not sufficiently fast to washing. Besides fixing with metal salts, the fastness of the color could be increased by the use of diazotized dyes of the type of Naphthogene Pure Blue 4B. W. A. Moore

A10-5L4 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



PROCESSES AND PROPERTIES INDEX

2A

2

The dyeing of casein fibers. D. Ta. Kanter. *Lekhye Prom.* 16, No. 11, 118-23(1937); *Chem. Zentr.* 1939, I, 4888; cf. *C. A.* 32, 7870⁹.—Since they dye only by boiling, black and blue acid and chrome dyes cannot be used for casein fibers in the form of casein staple fiber, Italian lanital or casein fabrics contg. 50% wool because of the hydrolysis of such materials at 100°. Casein fibers can be dyed with acid blue and black dyes only by the introduction of protective colloids (sulfite waste liquor from cellulose) or by increasing the temp. resistance of the casein fibers. Satisfactory results were obtained in the dyeing of casein fabrics contg. 50% wool with Neolan dyes, such as Neolan Olive, Red, Orange and Rigan Blue 2R, the last of which dyes dark violet. E. g., with the olive-colored Neolan dye (a deriv. of diazopicramic acid coupled with acetyl-*p*-aminophenol) 3 different color tones could be obtained on casein fabrics contg. 50% wool, depending on such conditions of dyeing as the compn. of the dye soln., the temp. and duration of dyeing. The 3 color tones were light khaki with a yellow cast, a gray tone with a blue cast and khaki. The colors obtained by dyeing casein fabrics with Neolan Olive were tested to det. their fastness to light, to soap and to ironing and were found to be satisfactory. The fabrics showed no tendency to become rough as a result of the dyeing process. It is also possible to use ice colors for the dyeing of casein staple fiber. Of the substantive dyes, Pure Sky Blue FF, Anil Scarlet 4 BS and others gave good results when used for dying casein fiber at 50-60°.

W. A. Moore

A10-5L4 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

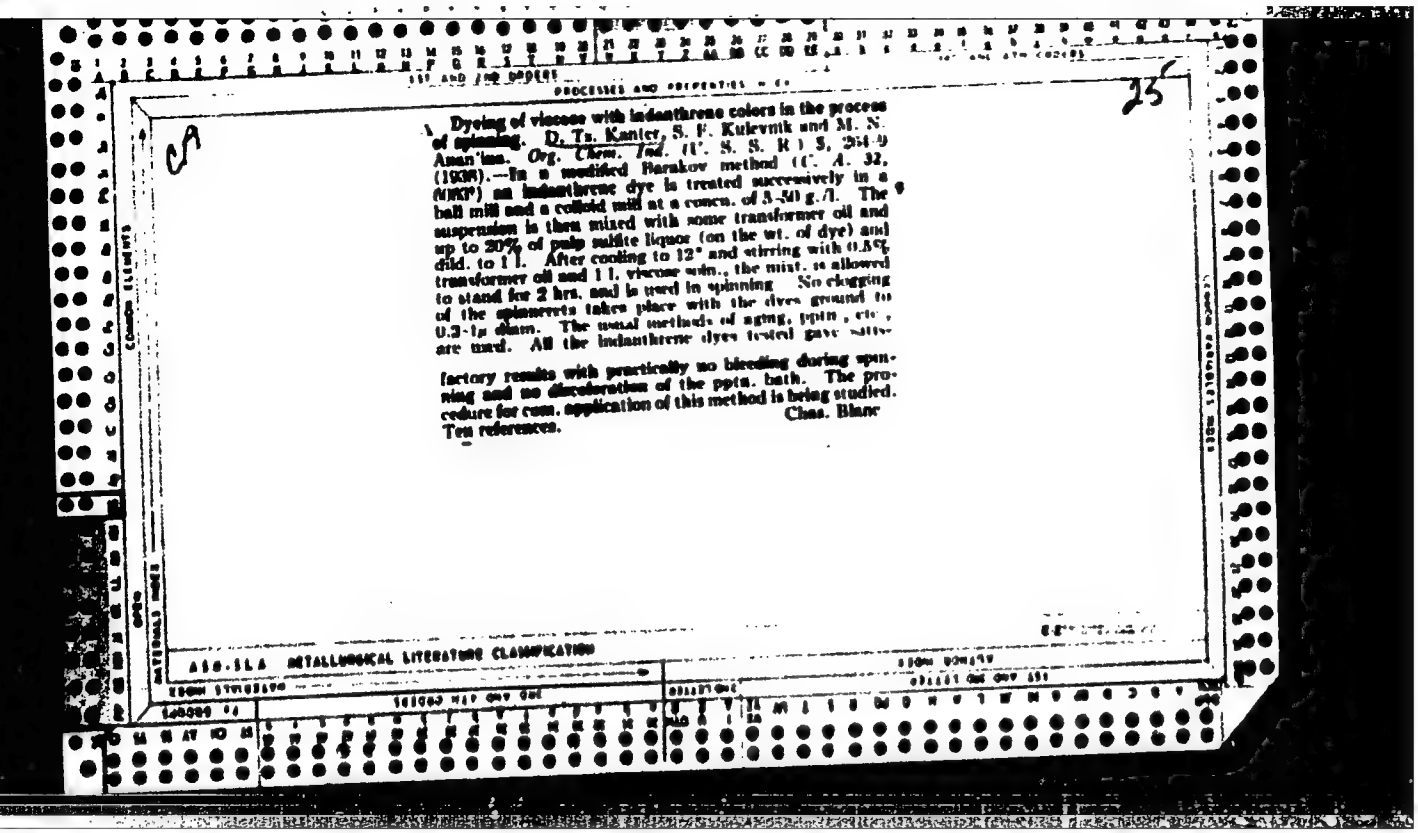
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES

25

CA



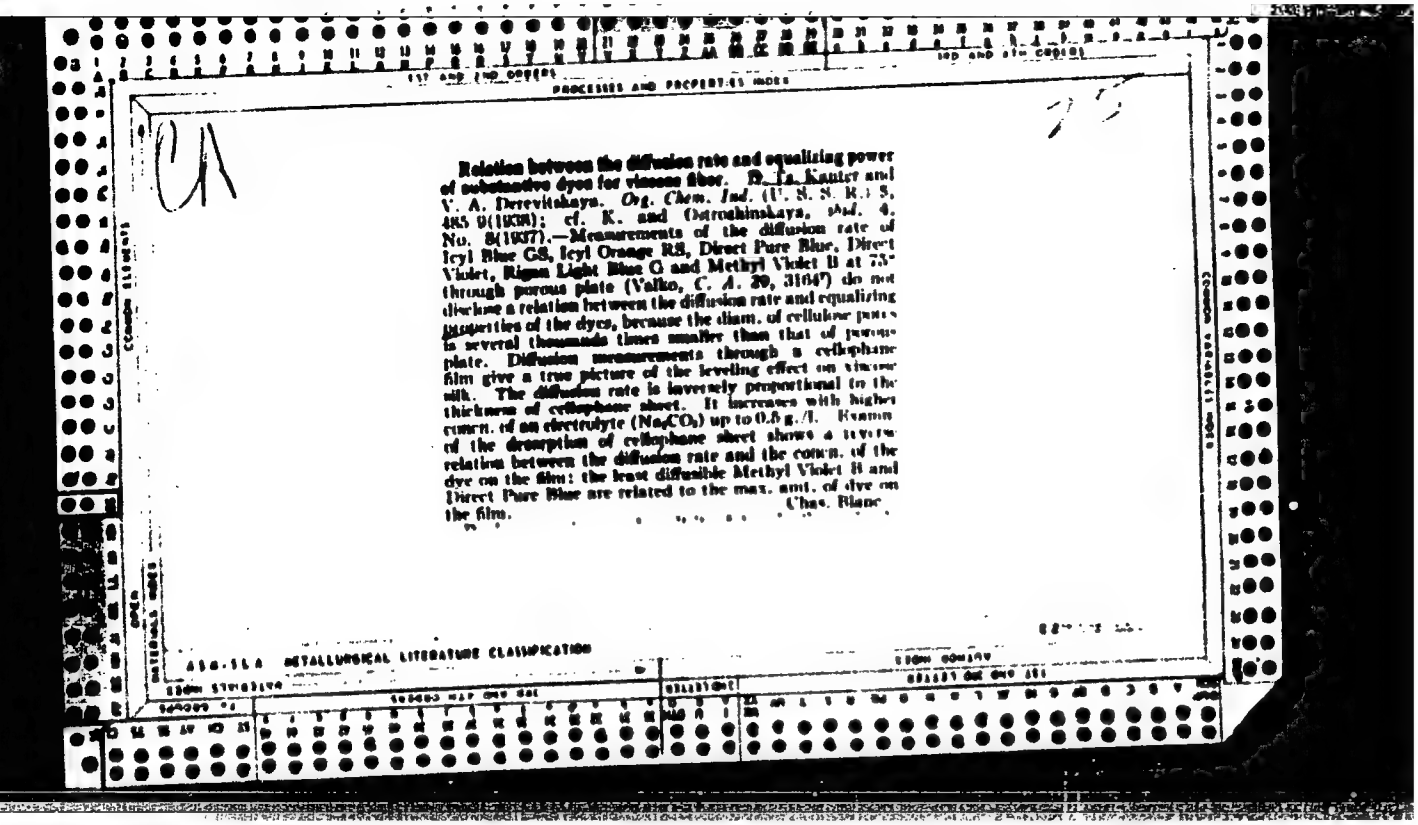
Dyeing of viscose with indanthrene colors in the process of spinning. D. Ts. Kanter, S. F. Kulevnik and M. N. Anan'ina. *Org. Chem. Ind.* (U. S. S. R.) 3, 264-9 (1938).—In a modified Barakov method (C. A. 32, 6083) an indanthrene dye is treated successively in a ball mill and a colloid mill at a concn. of 5-50 g./l. The suspension is then mixed with some transformer oil and up to 20% of pulp sulfite liquor (on the wt. of dye) and dild. to 1 l. After cooling to 12° and stirring with 0.5% transformer oil and 1 l. viscose soln., the mixt. is allowed to stand for 2 hrs. and is used in spinning. No clogging of the spinnerets takes place with the dyes ground to 0.2-1μ diam. The usual methods of aging, pptn., etc., are used. All the indanthrene dyes tested gave satisfactory results with practically no bleeding during spinning and no discoloration of the pptn. bath. The procedure for com. application of this method is being studied. Ten references.

Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



PROCESSES AND PROPERTIES INDEX

Relation between the diffusion rate and equalizing power of substantive dyes for viscose fiber. D. Ya. Kantor and V. A. Derevitskaya. *Org. Chem. Ind.* (U. S. S. R.) 5, 485-9(1938); cf. K. and Ostrokhinskaya, *ibid.* 4, No. 8(1937).—Measurements of the diffusion rate of Icyl Blue GS, Icyl Orange RS, Direct Pure Blue, Direct Violet, Rigan Light Blue G and Methyl Violet B at 75° through porous plate (Valko, *C. A.* **29**, 3164⁷) do not disclose a relation between the diffusion rate and equalizing properties of the dyes, because the diam. of cellulose pores is several thousands times smaller than that of porous plate. Diffusion measurements through a cellophane film give a true picture of the leveling effect on viscose silk. The diffusion rate is inversely proportional to the thickness of cellophane sheet. It increases with higher concn. of an electrolyte (Na_2CO_3) up to 0.5 g./l. Examn. of the desorption of cellophane sheet shows a reverse relation between the diffusion rate and the concn. of the dye on the film: the least diffusible Methyl Violet B and Direct Pure Blue are related to the max. amt. of dye on the film.

Chas. Blanc

A10-11A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D. Ts. ENGINEER Cand Tech Sci

Dissertation: "Obtaining Colored Viscose Silk by Introduction of Stabilized Suspensions into Viscose Spinning Solutions."

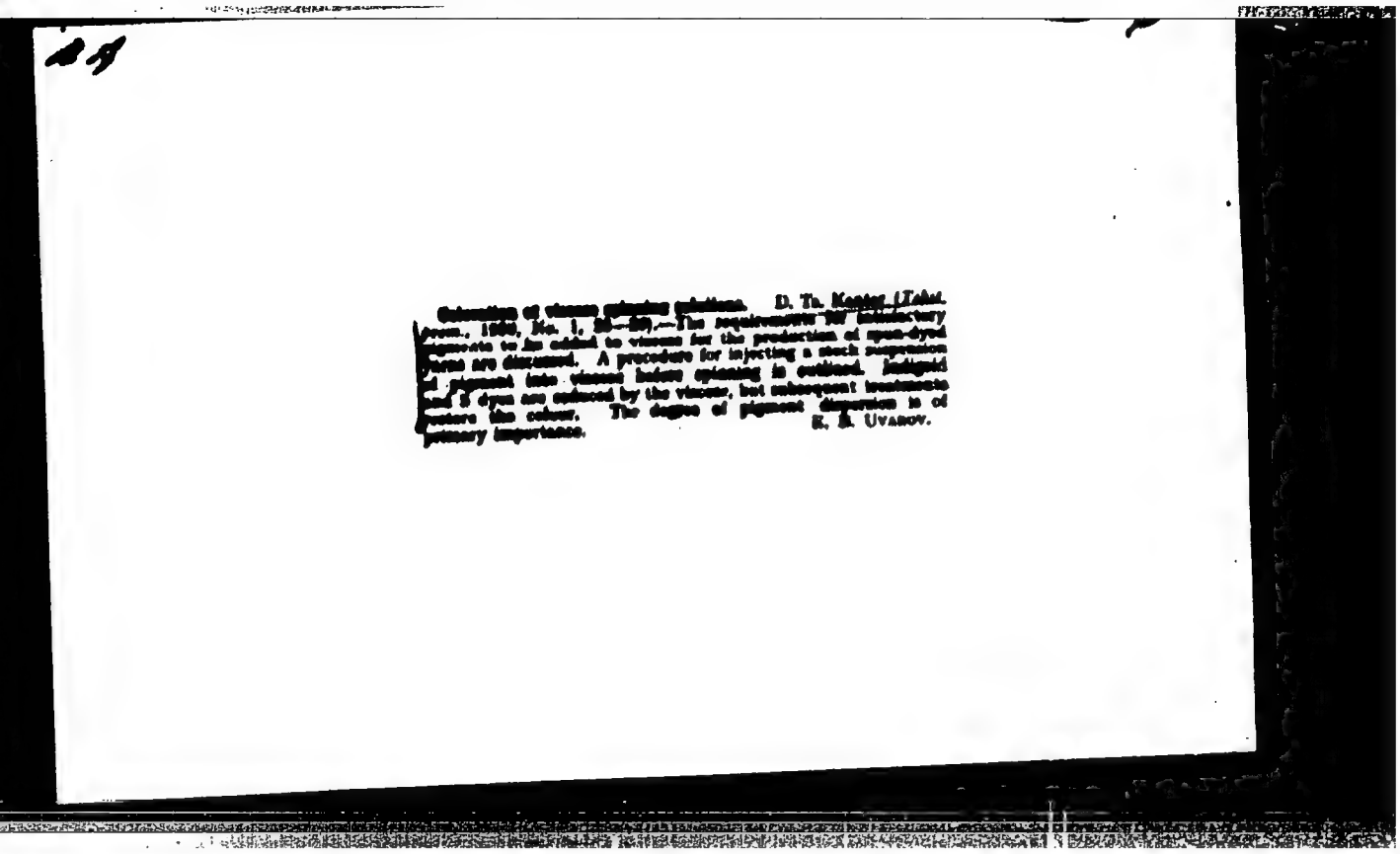
27 Oct 49

Moscow Textile Inst

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0



Colouration of viscose spinning solutions. D. Ts. Kantor (Tekst. Prom., 1950, No. 1, [illegible]).—The requirements for satisfactory pigments to be added to viscose for the production of spun-dyed yarns are discussed. A procedure for injecting a stock suspension of pigment into viscose before spinning is outlined. Indigoid and S dyes are reduced by the viscose, but subsequent treatments restore the colour. The degree of pigment dispersion is of primary importance.

E. B. Uvarov.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D.TS., nauchnyy sotrudnik; NEKRASOVA, T.A., nauchnyy sotrudnik; GOLOSENKO, O.M., khimik

Choice of dyes to be used in dyeing rayon. Tekst. prom. 18 no.9:16-17 S '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Kanter, Nekrasova). 2. Derbenevskiy khimicheskiy zavod imeni Stalina (for Golosenko).
(Dyes and dyeing--Rayon)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D.TS; NEKRASOVA, T.A.

Particular procedures for dyeing chloride silk. Khim. volok. no.2:72-74 '59. (MIRA 12:9)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.
(Dyes and dyeing--Textile fibers, Synthetic)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D.TS.; NEKRASOVA, T.A.; KARMANOVA, N.B.

Determining the concentration of acetone-soluble dyestuffs in a fiber and in the spinning bath. Khim.volok. no.3:61-62 '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (VNIIV).
(Dyes and dyeing--Textile fibers, Synthetic)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

Kovalev, D. I.

Serebryakova, Z. G.

15(4).
AUTHOR:
TITLE: Conference on the Application of Textile-Auxiliary Substances in the Industry of Chemical Fibers (Soveshchaniye o primenenii tekstil'no-vspomogatel'nykh veshchestv v proizvodstvenni khimicheskikh volokon)
PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 1, pp 130-131 (USSR)
ABSTRACT: The section for artificial fibers of the All-Union Chemical Society imeni D.I. Mendeleyev organized a conference in Moscow on the application of textile-auxiliary substances in the industry of chemical fibers. It was attended by more than 200 representatives of plants, scientific research institutes, the State Plan Commission of the USSR, the Scientific Technical State Committee, the State Committee for Chemistry, the National Economic Council, and by scientists of the German Democratic Republic. The conference heard the following reports: Z.G. Serebryakova (VNIIV) on the characteristics of different textile-auxiliary substances and the fields of their application in the industry of artificial and synthetic fibers; K.S. Minsk (TsCRIK) on investigations on the development of the newest kind of textile-auxiliary substances; A.Th. Robinovich on the synthesis of surface-active substances and the detergents made from them; I.E. Penev (Chemical Plant imeni Kalinin) on the perspectives of producing textile-auxiliary substances at the Chemical Plant imeni Kalinin; B.Th. Zaitsev (VNIIV) on the application of auxiliary substances in the dying of chemical fibers by means of introducing the dye into the spinning solutions; Yu.F. Filippov (VNIIV) on the study of the effect of textile-auxiliary substances on the physical-mechanical properties of fibers; I.F. Rybakova (VNIIV) on the effect of different emulsifiers of textile-auxiliary substances on the processes of artificial and synthetic staple fiber; A.Ya. Fainberg (VNIIV) on the possibility of applying highly effective, processing of wool and artificial fibers in mul-ti-spinning equipment; L.A. Zakirov (VNIIV) on the relation between the electrifiability of different fibers and the reagents arising during their processing; Engineer G. Ville (German Democratic Republic) on the application of textile-auxiliary substances in the production of artificial and synthetic fibers.

Card 1/3

Card 2/3

During the discussion it was learned that the industry of artificial fibers has not the necessary assortment of textile-auxiliary substances which is due to a lack of productive capacities for synthesizing and testing auxiliary substances. The exchange of information is also insufficient.
The following resolutions were adopted in the article:
Vsesoyuznoye khimicheskoye obshchestvo imeni D.I. Mendeleyeva (All-Union Chemical Society imeni D.I. Mendeleyev). Gosplan SSSR (State Plan Commission of the USSR), Gosudarstvennyy komitet po khimii (State Committee for Chemistry), VNIIV, NIOPIK, Khimicheskiy zavod imeni Kalinina (Chemical Plant imeni Kalinin), Tsentrosoyuz, Tekhnicheskiy (Central Scientific Research Institute of Wool), Tsentralnyy (Central Scientific Research Institute of Silk). ppt.

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

S/183/60/000/004/010/014/XX
B004/B075

AUTHORS: Kanter, D. Ta., Leyni, A. A., Sokolova, O. N.

TITLE: The Properties of Dyes Soluble in Acetone

PERIODICAL: Khimicheskiye volokna, 1960, No. 4, pp. 31-39

TEXT: To a growing extent, dyes soluble in acetone are used for the dyeing of acetate rayon. They recently have been synthesized in the Derbenevskiy khimicheskiy zavod (Derbenevskiy Chemical Plant). Here, hydrophobic dyes with a Cr or Co 1:2 complex and the series "Orazol'", "Telazol'", and "Irgatset" were concerned. For the practical utilization of these dyes, their solubility must be known. In the preceding studies made in the physico-chemical laboratory of the authors' institute by means of an electron microscope with a resolving power of 50 A, V. P. Kovaleva has found that the solution of these dyes contains no visible particles. The authors discuss the solubility of the dyes at 20°C. The test portion of the dye (1-10 g, in some cases up to 30 g) was dissolved a) in 50 ml of acetone; b) in a 50-ml mixture consisting of 5% water and 95% acetone (the data obtained did not differ from those of a)); c) in a 50-ml mixture consisting of 10% ethanol and 90% methylene chloride. Solubility was determined gravimetrical-

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

ly as well as colorimetrically by means of an ФЭК-М (FEK-M) electrophotocolorimeter. 16 dyes were studied. Examples of the principal structure of these dyes are given. They belong to the following groups: 1) hydrophobic metal-containing monoazo dyes with Co or Cr 1:2 complex; 2) metal-containing monoazo dyes with Co or Cr 1:1 complex; 3) dyes for acetate rayon which are dispersed or soluble in fat; 4) a phenyl phthalocyanine dye with four heptyl sulfamide groups in the molecule. Fig. 1 shows the dissolution kinetics of these dyes. In all dyes a dependence of the concentration of their solution on the test portion was found. With a test portion of 30 g in 50 ml of acetone, the dye soluble in acetone yellow Г-19К (G-19K) attains a solubility of 436 g/l. For this reason, also the quantity of dye which remained unsolved in different test portions was determined. The proportion by weight between the dissolved and the undissolved portion is proposed as a new characteristic value for the evaluation of dyes and the elaboration of dyeing prescriptions. The solutions of dyes soluble in acetone are polydisperse; a partial association occurs. The solubility of hydrophobic metal-containing monoazo dyes with a 1:2 complex with a test portion of 5 g in 50 ml of acetone was on the average four times higher than that of the known dispersed dyes with a 1:1 complex. Introducing the rhodamine base into the dye structure lowers the solubility of the dye

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

in acetone, however, in ethanol methylene chloride it is considerably increased. In the NIOPiK im. K. Ye. Voroshilova (Scientific Research Institute of Organic Semifinished Products and Dyes imeni K. Ye. Voroshilov) good results were obtained in the dye fastness test with rayon dyed with these dyes. Reference is made to papers by Ye. A. Veller and B. A. Poray-Koshits, P. V. Morygunov and B. N. Mel'nikov, S. A. Pankova, O. M. Golosenko, and A. A. Cherkasskiy, S. M. Lipatov and I. M. Movshovich, Ye. G. Grimm, and T. A. Nekrasova. The authors thank Ye. M. Aleksandrova, Professor of the MKhTI im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev) for discussion and L. G. Krolik, Senior Scientific Worker of the Scientific Research Institute of Organic Semifinished Products and Dyes imeni K. Ye. Voroshilov, for synthesizing the phenyl phthalocyanine dye. There are 6 figures, 1 table, and 26 references: 20 Soviet, 1 US, 1 British, and 3 German.

ASSOCIATION: VNIIV (All-Union Scientific Research Institute of Synthetic Fibers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

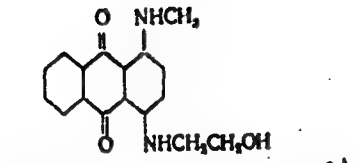
Legend to the formulas: a) Blue K for acetate rayon; b) Dark red, soluble in fat; c) Bordeaux K, soluble in alcohol; d) Blue, soluble in alcohol; e) Yellow Z, soluble in alcohol; f) Orazol' blue 2V.
Legend to Fig. 1: Orazol' yellow 3R (20 g/50 ml); 2: Bordeaux K (10/50 ml) purified; 3: ditto 10 g/50 ml, unpurified; 4: Orange 4Zh (4Zh) 10 g/50 ml; 5: Bordeaux K 5 g/50 ml; 6: Orange 2Zh (2Zh) 5 g/50 ml; a) Duration of mixing, hours, b) Solubility g/l.

Card 4/7

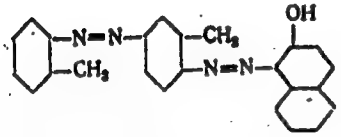
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

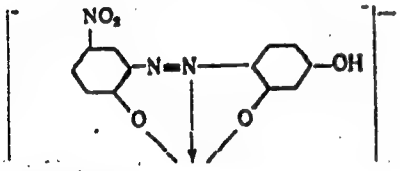
S/183/60/000/004/010/014/XX
B004/B075

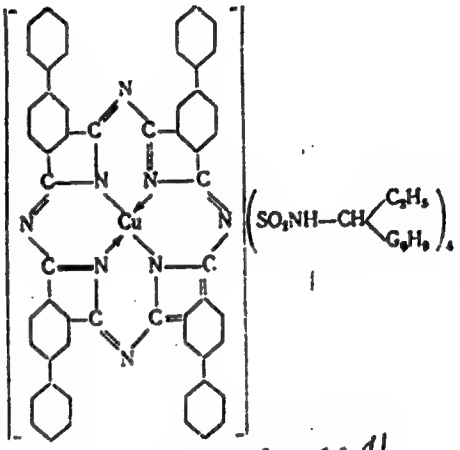


синий К для ацетатного шелка a)



жирорастворимый темно-красный b)





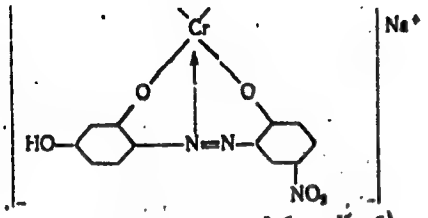
спирторастворимый голубой d)

Card 5/7

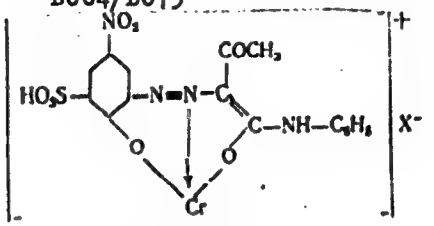
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

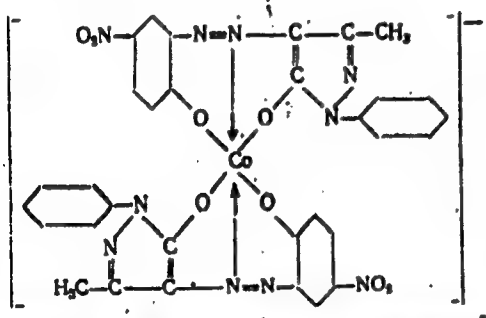
S/183/60/000/004/010/014/XX
B004/B075



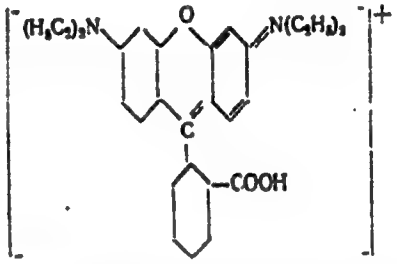
спирторастворимый бордо К c)



спирторастворимый желтый 3 e)



оразоль алый 2В f)



Card 6/7

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

S/183/60/000/004/010/014/XX
B004/B075

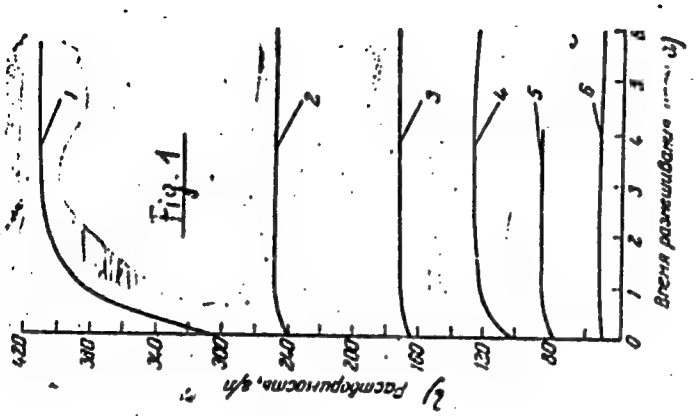


Fig. 1

Card 7/7

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D.TS.; USHAKOVA, A.N.; SOKOLOVA, V.A.

Waterless combing oil preparation for treating acetate silk. Khim.-volok. no.6:44-46 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Rayon)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D.TS.; LEYNI, A.A.; GRIMM, Ye.G.; KRAYNOVA, K.M.

Method for stock dyeing of acetate rayon. Khim. volok. no.3: 46-50 '63. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Kanter, Leyni). 2. Serpukhovskiy zavod (for Grimm, Kraynova).
(Dyes and dyeing—Rayon)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

MASLENNIKOV, K.N., nauchnyy sotrudnik; ZAYTSEVA, Ye.V., nauchnyy sotrudnik; KANTER, D.TS., nauchnyy sotrudnik; OBUKHOVA, R.N., nauchnyy sotrudnik; BULANOVA, I.G., nauchnyy sotrudnik; GORDEYEV, N.A.; SURNINA, N.M.

"Xylital O-15" preparation for the avivage of viscose staple fibers produced by the cotton spinning method. Tekst.prom. 24 no.1: 40-43 Ja '64. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Maslennikov, Zaytseva, Kanter, Obukhova, Bulanova). 2. Glavnyy inzh. Yakhromskoy pryadil'no-tkatskoy fabriki (for Gordeyev). 3. Zaveduyushchiy proizvodstvennoy laboratoriyey Yakhromskoy pryadil'no-tkatskoy fabriki (for Surnina).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, D. TS.

Work of the primary organization of the Mendeleev Chemical Society of the All-Union Scientific Research Institute of Artificial Fibers. Zhur. VKHO [illegible] no.5:581-583 '64 (MIRA 18:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

SEREBRYAKOVA, Z.G.; KANTER, D.TS.; ZABRAN, E.S.; ZHERDEVA, L.G.; POTANINA, V.A.

Methods for testing mineral oils used in the manufacture of acetate and viscose cord fibers. Khim. volok. no.1:62-64 '65. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Serebryakova, Kanter, Zabran). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva (for Zherdeva, Potanina).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

PROZOROVSKIY, V.I., zasl. deyatel' nauki, prof., otv. red.; BRONNIKOVA, M.A., prof., red.; GROMOV, L.I., prof., red.; KANTER, E.I., st. nauchn. sotr., red.; KOLOSOVA, V.M., st. nauchn. sotr., red.; KUBITSKIY, Yu.M., prof., red.; MITYAYEVA, N.A., st. nauchn. sotr., red.; RUBTSOV, A.F., st. nauchn.sotr., red.; SMOL'YANINOV, V.M., prof., red.

[Transactions of the Fourth All-Union Conference of Forensic Medical Experts] Sbornik trudov chetvertoy Vsesoyuznoy konferentsii sudebnykh medikov. Riga, M-vo zdravookhraneniia SSSR, 1962. 588 p. (MIRA 17:11)

1. Vsesoyuznaya konferentsiya sudebnykh medikov. 4th, 1962. 2. Nauchno-issledovatel'skiy institut sudebnoy meditsiny Ministerstva zdravookhraneniya SSSR (for Gromov, Bronnikova, Kanter, Mityayeva, Rubtsov). 3. Direktor Nauchno-issledovatel'skogo instituta sudebnoy meditsiny Ministerstva zdravookhraneniya SSSR (for Prozorovskiy). 4. Zamestitel' Predsedatelya Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya RSFSR (for Smol'yaninov).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

PROZOROVSKIY, V.I.; KANTER, E.I.

Organization of interprovince medicolegal laboratories. Sud.-med. ekspert. 3 no.2:3-7 Ap-Je '60. (MIRA 18:6)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, E.I.; BAGDASAROV, V.A.

Results of a meeting of the chief legal medical experts of the Union Republics. Sud.-med. ekspert. 2 no.3:59-62 Jl-S '59.
(MIRA 13:4)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I. Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(MEDICAL JURISPRUDENCE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

PROZOROVSKIY, V.I.; KANTER, M.I.; STOYANOV, B.S., red.; LYUDNOVSKAYA, N.I., tekhn.red.

[Collected material on organization and methodology in forensic Sbornik organizatsionno-metodicheskikh materialov po sudebno-meditsinskoi ekspertize. Izd.2. Moskva, Gos.izd-vo med.lit-ry, 1960. 479 p. (MIRA 14:2)

(MEDICAL JURISPRUDENCE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, E.I.

Organizing interprovincial medicolegal laboratories; review of readers' letters and conference speeches. Sud.-med. ekspert. 4 no.4:43-44 O-N-D '61. (MIRA 14:12)
(MEDICAL LABORATORIES)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

PROZOROVSKIY, V.I.; KANTER, E.I.

Measures for the improvement of medicolegal expertise in the U.S.S.R.; order No.166 of the Minister of Public Health of the Soviet Union, issued April 10,1962. Sud.-med.ekspert. 6 no.2: 3-8 Ap-Je'63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. prof.V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(MEDICAL JURISPRUDENCE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0

KANTER, E.I.

Conference of the chief medicolegal experts of the Union republics. Sud.-med. ekspert. 8 no.2:53-55 Ap-Je '65.
(MIRA 18:8)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410018-0"